

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/778,486	EDGE ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Leonid Shapiro	2677	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment on 10/24/05.
2. ☒ The allowed claim(s) is/are 1-8, 10-33, 35-43, renumbered as 1-41.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                     | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|  | 9. <input type="checkbox"/> Other _____.   |

***Examiner's Amendment***

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

1). Please, amend claim 1 as following:

A method comprising:

determining an ~~estimating~~ estimated value for a ~~an initial~~ green gamma for a display device having red, blue and green channels based on selection of a displayed green element that appears to most closely blend with a dithered green background;

estimating initial ~~characterizing overall~~ gamma values for red[,] and blue[,] ~~and green~~ channels of the display device based on the estimated ~~initial~~ green gamma value;

performing a gray balance evaluation for red and blue channels relative to the green channel using the estimated initial gamma values for red and blue channels; and

modifying the ~~estimated overall~~ gamma values for red and blue color channels based on a the gray balance evaluation for the red and blue color channels.

2). Claim 2: on Line 2, after the word "gamma" insert following --- values ---.

3). Claim 3: on Line 3, after the word "gamma" insert following --- values ---.

4). Claim 4: on Line 1 after word "the" insert the following --- green --- and after the word "gamma" insert the following --- value ---,

on Line 4, after the word "coarse" insert the following --- green --- and after the word "gamma" insert the following --- value ---,

on Line 10, after the word “fine” insert the following --- green ---, after the word “gamma” insert the following --- value --- ,

on Line 11 after the word “fine” insert the following --- green ---, after the word “gamma” insert the following --- value --- and after the word “estimated” insert the following --- green ---.

5). Claim 7: on Line 2, and after the word “from” delete words “the” and insert the following --- a ---.

6). Please, cancel claim 9.

7). Claim 10: on Line 4, after the word “gamma” insert the following: “---values---”.

8). Claim 11: on Line 3, after the word “gamma” insert the following: “---values---”.

9). Claim 12: on Line 2, after the word “gamma,” insert the following: “---values---”.

10). Please, amend claim 15 as following:

A system comprising:

a web server to transmit web pages to clients residing on a computer network;

a color image server to transmit color images referenced by the web pages to the clients for display on display devices associated with the clients;

a color profile server to guide the clients through a color profiling process and obtain information characterizing the color responses of the display devices associated with the clients, wherein the information includes an estimated initial green gamma value for the display device, the initial green gamma value being determined based on selection of a display green element that appears to most closely blend with a dithered green background, estimated red and blue gamma values based on the initial green gamma value, wherein the estimated and an overall

Art Unit: 2629

gamma values for the red[,] and blue[,] and green channels of the display device are estimated from the initial green gamma value and modified determined from the initial gamma, wherein the overall gamma is modified based on a gray balance evaluation for the red and blue color channels; and

one or more color correction modules to modify the color images transmitted by the color image server based on the information to improve the accuracy of the color images when displayed on the respective display device.

- 11). Claim 17: on Line 11 after the word “gamma” insert the following --- values ---.
- 12). Claim 21: on Lines 4,10-12 after the word “gamma” insert the following --- value ---.
- 13). Claim 23: on Line 1 after the word “gamma” insert the following --- value ---.
- 14). Claim 24: on Line 4 after the word “gamma” insert the following --- value ---.
- 15). Please, amend claim 26 as following:

A computer-readable medium encoded with a computer program containing instructions to cause a programmable processor to:

determine estimated value for a green gamma for the a display device based on selection of a displayed green element that appears to most closely blend with a dithered peen background, the display device having red, blue and green color channels;

characterize overall estimate initial gamma values for the red[,] and blue[,] and green channels of the display device based on the estimated initial green gamma value;

perform a gray balance evaluation for red and blue channels relative to the green channel using the estimated initial gamma values for red and blue channels;

and

modify the ~~overall~~ estimated gamma values for red and blue color channels based on a the gray balance evaluation for the red and blue color channels.

- 16). Claim 27: on Line 3, after word "gamma" insert the following: "---values---".
- 16). Claim 28: on Line 4, after word "gamma" insert the following: "---values---".
- 18). Claim 29: on Line 1, after word "the" insert the following: "---green---",  
on Lines 2, 5, 11-13 after word "gamma" insert the following: "---value---",  
on Line 12, after word "estimated" insert the following: "---green---".
- 19). Please, cancel claim 34.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Mark Bocchetti on 04.14.06.

*Allowable Subject Matter*

2. Claims 1-8, 10-33, 35-43 allowed.
3. The following is an examiner's statement of reasons for allowance:

None of the cited references teaches or suggests a method of presenting color images on display devices comprising: **performing a gray balance evaluation for red and blue channels relative to the green channel using the estimated initial gamma values for red and blue channels; and modifying the estimated gamma values for red and blue color channels based on the gray balance evaluation for the red and blue color channels**, as disclosed in independent claims 1 and 26. The closest art (Elaine, Berger and Yoo) disclose related methods, either singularly or in combination fail to anticipate or suggest these limitations obvious.

None of the cited references teaches or suggests a method of presenting color images on display devices comprising: a color profile server to guide the clients through a color profiling process and obtain information characterizing the color responses of the display devices associated with the clients, wherein the estimated gamma values for the red and blue channels of the display device are estimated from the initial green gamma value and modified based on a gray balance evaluation for the red and blue color channels, as disclosed in independent claim 15. The closest art (Elaine, Berger and Yoo) disclose related methods, either singularly or in combination fail to anticipate or suggest these limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### ***Telephone Inquire***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leonid Shapiro whose telephone number is 571-272-7683. The examiner can normally be reached on 8 a.m. to 5 p.m..

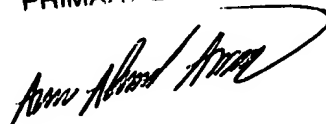
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amr Awad can be reached on 571-272-7764. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2629

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LS  
04.14.06

AMR A. AWAD  
PRIMARY EXAMINER

A handwritten signature in black ink, appearing to read 'Amr A. Awad', written over a horizontal line.